



Soil Mechanics

Rate effects, viscosity and creep behaviour in clay

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Publication date:
2009

Document Version
Publisher's PDF, also known as Version of record

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Citation (APA):
Gottlieb, S. W. J., Hededal, O., Foged, N. N., & Krogsbøll, A. S. (2009). *Soil Mechanics: Rate effects, viscosity and creep behaviour in clay*. Poster session presented at Alert Geomaterials : Poster session, Aussois, France. <http://alert.epfl.ch/poster%20session/poster.html>

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Soil mechanics

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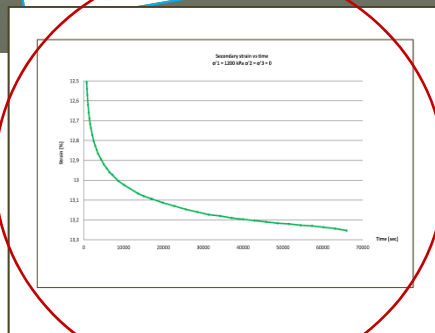
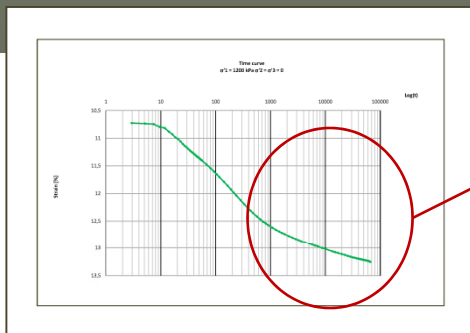
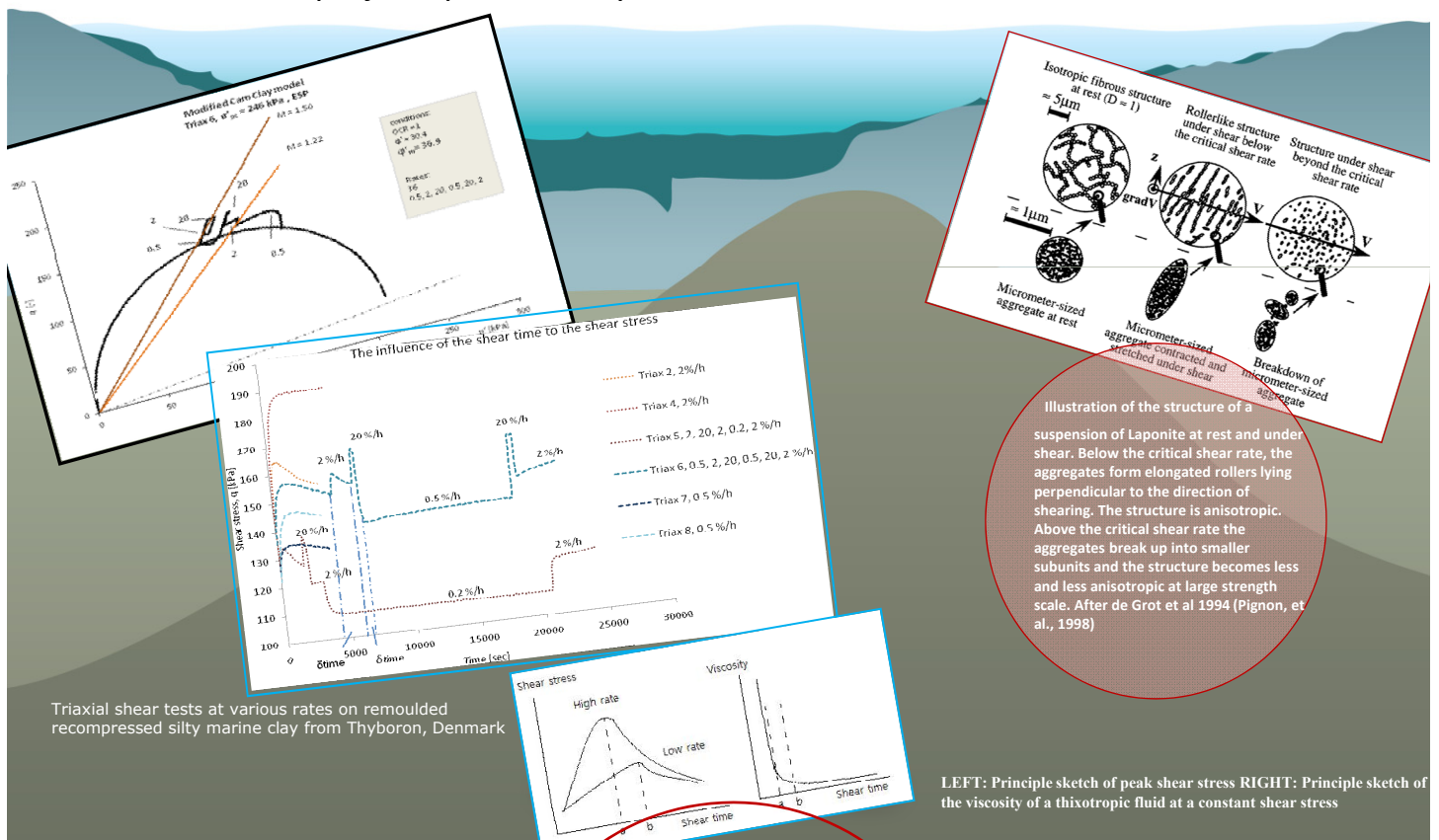


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A PhD – project sponsored by Ramboll Denmark a/s and Femern Belt a/s



$$\tau_{xy} = G \cdot \gamma_{xy}$$

$$\tau_{yx} = -\eta \left| \frac{dv_x}{dy} \right| \Leftrightarrow \tau = -\eta \cdot \dot{\gamma}$$

$$\tau_{zz} - \tau_{xx} = -\bar{\eta}_{1(b)} \cdot \dot{\epsilon}$$